

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-15 (Canceled).

Claim 16 (New): An antenna structure configured to be arranged in a mobile radio apparatus having a radio unit for transmitting and receiving a radio signal, comprising:

- an extensible antenna;
- a flexible substrate arranged around the extensible antenna;
- an antenna pattern formed on the flexible substrate; and
- a matching circuit formed on the flexible substrate, the matching circuit being configured to be continuously capacitively coupled with the antenna pattern, wherein the extensible antenna and the matching circuit are further configured to be capacitively coupled together only when the extensible antenna is extended from the radio unit.

Claim 17 (New): A mobile radio apparatus comprising:

- a case;
- a rod antenna;
- an antenna supporting unit configured to enable the rod antenna to be extracted out of and retracted into the case
- a flexible substrate arranged around the antenna supporting unit;
- an antenna pattern formed on the flexible substrate;
- a radio unit configured to transmit and receive a radio signal; and

a matching circuit formed on the flexible substrate, the matching circuit being configured to be continuously capacitively coupled with the antenna pattern, wherein the rod antenna and the matching circuit are configured to capacitively couple the rod antenna and matching circuit together only when the rod antenna is extended from the case.

Claim 18 (New): The mobile radio apparatus according to claim 17, wherein the case comprises a front side and a rear side, the apparatus further comprising:

a loudspeaker arranged on the front side of the case, the antenna pattern being arranged on the same side of the flexible substrate as the rear side of the case.

Claim 19 (New): A mobile radio apparatus comprising:

a case;

a rod antenna having a first central axis;

an antenna supporting unit configured to enable the rod antenna to be extracted out of and retracted into the case;

a flexible substrate arranged around the antenna supporting unit;

an antenna pattern formed on the flexible substrate and having a second central axis, the first central axis and the second central axis crossing at an angle in the range of 45° to 90°;

a radio unit configured to transmit and receive a radio signal; and

a matching circuit formed on the flexible substrate, the matching circuit being configured to be continuously capacitively coupled with the antenna pattern, wherein

the rod antenna and the matching circuit are configured to capacitively couple the rod antenna and matching circuit together only when the rod antenna is extended from the case.

Claim 20 (New): The antenna structure according to claim 16, wherein the extensible antenna has a distal end which is electrically connected to the matching circuit when the extensible antenna is extended from the radio unit and is electrically disconnected from the matching circuit when the extensible antenna is retracted into the radio unit.

Claim 21 (New): The mobile radio apparatus according to claim 17, wherein the rod antenna element has a distal end which is electrically connected to the matching circuit when the rod antenna is extended from the case and is electrically disconnected from the matching circuit when the extensible antenna is retracted into the case.

Claim 22 (New): The mobile radio apparatus according to claim 19, wherein the rod antenna element has a distal end which is electrically connected to the matching circuit when the rod antenna is extended from the case and is electrically disconnected from the matching circuit when the extensible antenna is retracted into the case.

Claim 23 (New): The mobile radio apparatus according to claim 19, wherein the angle is substantially equal to 60°.